

(FILE 'HOME' ENTERED AT 16:39:01 ON 06 FEB 2003)

FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, MEDICONF' ENTERED  
AT 16:39:09 ON 06 FEB 2003

L1 1239 S TELOMERASE (L) MOUSE  
L2 197 S L1 AND PY<=1997  
L3 93 DUP REM L2 (104 DUPLICATES REMOVED)  
L4 73 S L3 AND CELL  
L5 73 SORT L4 PY  
L6 8 S L5 AND (MUT? OR DEL?)

=> d an ti so au ab pi l6 8

L6 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS  
AN 1997:650440 CAPLUS  
DN 127:305894

TI Transgenic animals with altered patterns and levels of expression of  
telomerase genes and their use in screening of modulators of telomerase  
activity

SO PCT Int. Appl., 57 pp.  
CODEN: PIXXD2

IN Greider, Carol; Marhuenda, Maria Antonia Blasco; Depinho, Ronald A.; Lee,  
Han-Woong

AB Transgenic animals, such as **mice**, with altered expression of  
**telomerase** component genes, e.g. knockout **mice**, are  
developed for use in the study of **telomerase** function and in the  
screening of modulators of **telomerase** activity. These agents  
may be used in the treatment of **cell** proliferation disorders,  
e.g. in treatment of cancer. **Mice** heterozygous or homozygous for  
knockout of the protein or RNA moiety of the **telomerase** are  
described. Similarly, **mice** with increased copy no. of one of  
the genes or carrying a gene that raises or lowers the level of expression  
of the **telomerase** genes can be constructed. The development of  
a targetting vector that inactivates the **telomerase** RNA gene is  
described. This plasmid was used to transform **mouse** embryonic  
stem **cells** that were used to developed chimeric **mice**  
from which homozygous lines were developed. Methods of using these  
animals in the study of the role of **telomerase** activity in tumor  
development and progression are discussed.

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE         |
|--|------|----------|-----------------|--------------|
| WO 9735967   | A2   | 19971002 | WO 1997-US5070  | 19970321 <-- |
| WO 9735967   | A3   | 19971211 |                 |              |
| W: AU, CA, CN, JP, KR, MX  |      |          |                 |              |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE |      |          |                 |              |
| AU 9725936   | A1   | 19971017 | AU 1997-25936   | 19970321 <-- |

| L Number | Hits | Search Text  | DB  | Time stamp       |
|----------|------|--|---|------------------|
| 1        | 2    | wo NEAR "9735967"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:02 |
| 19       | 70   | (mouse WITH telomerase) and (mutation mutant delete deletion knockout)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:04 |
| 25       | 9    | mouse WITH telomerase SAME (mutation mutant delete deletion knockout)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:05 |
| 7        | 86   | mouse WITH telomerase  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:07 |
| 31       | 15   | (US-6297356-\$ or US-6297367-\$ or US-6284477-\$ or US-6291220-\$ or US-5629154-\$ or US-5643890-\$ or US-5645986-\$ or US-5695932-\$).did. or (WO-9735967-\$).did. or (US-6297367-\$ or US-6245338-\$ or US-5948664-\$ or US-6297356-\$ or US-6287839-\$ or US-5583016-\$).did. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:09 |
| 35       | 17   | GReider NEAR carol   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:16 |
| 41       | 12   | (GReider NEAR carol) and mouse   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT           | 2003/02/06 17:16 |
| -        | 10   | ((("6284477") or ("6287839") or ("6291220") or ("6297356") or ("6297367"))).PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>USOCR | 2003/02/06 16:54 |